

	From the INTERNATIONAL BUREAU				
PCT	To:			_	
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 08 June 2004 (08.06.2004)	ZUMSTEIN & KLINGSEISEN Bräuhausstrasse 4 80331 Munich Germany EINGEGANGEN 21. Juni 2004				2 - 2011
Applicant's or agent's file reference	<u> </u>		 		
Case B-22		IMPORTANT NOTIFICATION			
International application No. PCT/EP2003/007777	j.	International filing date (day/month/year) 17 July 2003 (17.07.2003)			
The following indications appeared on record concerning: X the applicant the inventor	the agen	t the co	nommon r	representative	
Name and Address J. URIAÇH & CIA. S.A.		State of Nationality ES	1	State of Residenc ES	e
Av.Cami Reial, 51-57 E-08184 Palau-Solita i Plegamans Spain		Telephone No.			
		Facsimile No.	-		
· F		Teleprinter No.			
2. The International Bureau hereby notifies the applicant that the the person X the name the add	-	change has been reco	rded con	the residence	
Name and Address		State of Nationality		State of Residenc	е
J. URIACH Y COMPAÑIA S.A. Av.Cami Reial, 51-57 E-08184 Palau-Solita i Plegamans	·	ES Telephone No.		ES	## *
Spain		Facsimile No.			
		Teleprinter No.			<u> </u>
3. Further observations, if necessary:					
4. A copy of this notification has been sent to:			-		
X the receiving Office	٢	the designated Of	fices cor	ncerned	
the International Searching Authority	[the elected Office:	s concer	rned	
X the International Preliminary Examining Authority		other:			
The International Bureau of WIPO	Authorized	officer			
34, chemin des Colombettes 1211 Geneva 20, Switzerland		Chantal	AUMA	ITRE	
Facsimile No. (41-22) 338.70.80	Telephone No. (41-22) 338 8669				



From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

Zumstein, F. ZUMSTEIN & KLINGSEISEN Bräuhausstr. 4 D-80331 München ALLEMAGNE AZ

EINGEGANGEN 29. Okt. 2004

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PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing

(day/month/year)

28.10.2004

Applicant's or agent's file reference

International application No.

PCT/EP 03/07777

Case B-22

International filing date (day/month/year)

17.07.2003

Priority date (day/month/year)

IMPORTANT NOTIFICATION

18.07.2002

Applicant

J. URIACH Y COMPANIA et al

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international preliminary examining authority:

<u>)</u>))

European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016 Authorized Officer

Cherqui, E

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applic Case			ent's file reference	FOR FURTHER A	CTION	See Notification Preliminary Exa	n of Transmillal of Internati amination Report (Form Po	lonal CT/IPEA/416)
I = I			International filing date 17.07.2003	(day/mont	'h/year)	Priority date (day/month)	year)	
1	International Patent Classification (IPC) or both national classification and IPC C07C69/92							
Applic J. UF		НΥ	COMPANIA et al					
1.	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 							
2.	2. This REPORT consists of a total of 6 sheets, including this cover sheet.							
1	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					gs which have e this Authority		
	These annexes consist of a total of sheets.							
3. ·	This report contains indications relating to the following items:							
1	I	\boxtimes	Basis of the opinion					
	li		Priority					
	111	\boxtimes			novelty, inventive step and industrial applicability			
	IV V	□ Ø	Lack of unity of invention					
·	V	(2)	citations and explanation	nder Hule 66.2(a)(ii) wi	ith regard atement	to novelty, inv	entive step or Industrial	applicability;
,	VI		Certain documents cite					
'	VII		Certain defects in the in	iternational application	1			
,	VIII C Certain observations on the international application							
Date of	Date of submission of the demand			Date of completion of this report				
22.01	22.01.2004			28.10.2004				
	Name and mailing address of the international preliminary examining authority:			Authorized Officer				
	European Palent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo ni			Kardin	al, S			
Fax: +31 70 340 - 3016			Telepho	ne No. +31 70 34	10-3483	To a said . We		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/07777

l. Basis	of the	report
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 With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Description, Pages						
	1-3	6	as originally filed				
Claims, Numbers							
1-22			as originally filed				
	Dra	wings, Sheets					
	1/2-	2/2	as originally filed				
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.						
	The	se elements were av	ailable or furnished to this Authority in the following language: , which is:				
		the language of a tra	inslation furnished for the purposes of the international search (under Rule 23.1(b)).				
		the language of publ	ication of the international application (under Rule 48.3(b)).				
		the language of a tra Rule 55.2 and/or 55.5	slation furnished for the purposes of international preliminary examination (under				
3.	With inte	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:					
	☐ contained in the international application in written form.						
		filed together with the	e international application in computer readable form.				
	☐ furnished subsequently to this Authority in written form.						
	☐ furnished subsequently to this Authority in computer readable form.						
		The statement that the international a	ne subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.				
		The statement that the listing has been furnit	ne information recorded in computer readable form is identical to the written sequence shed.				
4.	The amendments have resulted in the cancellation of:						
		the description,	pages:				
		the claims,	Nos.:				
		the drawings,	sheets:				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/07777

5.		This report has been establish been considered to go beyond	ned as I the d	if (some of) isclosure as	the amendments had not been made, since they have filed (Rule 70.2(c)).			
		(Any replacement sheet conta report.)	nining s	such amendr	ments must be referred to under item 1 and annexed to this			
6.	Additional observations, if necessary:							
111.	. Nor	n-establishment of opinion w	ith reg	gard to nove	elty, inventive step and industrial applicability			
1.	The obvi	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- obvious), or to be industrially applicable have not been examined in respect of:						
		the entire international applica	ition,					
	×	claims Nos. 1-21 (partially)						
because:								
		the said international application not require an international pre-	on, or elimina	the said clair Iry examinati	ns Nos. relate to the following subject matter which does ion (specify):			
		the description, claims or draw that no meaningful opinion cou	vings (a uld be	indicate part formed (spe	icular elements below) or said claims Nos. are so unclear cify):			
		the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.						
	×	no international search report has been established for the said claims Nos. 1-21 (partially)						
2.	or a	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/ or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:						
		the written form has not been furnished or does not comply with the Standard.						
		the computer readable form ha	as not	been furnish	ed or does not comply with the Standard.			
v.	Rea citat	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1.	Stat	ement						
	Nov	elty (N)	Yes: No:	Claims Claims	1-13,16,18-22 14,15,17			
	Inve	ntive step (IS)	Yes: No:	Claims Claims	. 1-13,19-22 14-18			
	Indu	strial applicability (IA)	Yes: No:	Claims Claims	1-22			
2.	Citat	tions and explanations		.•	· ·			
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Form PCT/IPEA/409 (January 2004)

Re Item V

Remark: The scope of claims 1-21, in as far as the expression 'prodrug' is concerned. is so unclear (Article 6 PCT) that a meaningful search has been impossible with regard to this expression. Accordingly the following reasoned statement covers only those parts of claims 1-21 relating to the compounds described in claims 1-21 and the salts and solvates thereof.

- 1. Reference is made to the following documents:
 - D1: I. R. HARDCASTLE ET AL.: TETRAHEDRON LETTERS., vol. 42, no. 7. 2001, pages 1363-1365, XP004316654
 - D2: US-A-5 374 772 (CARSON MATHEW ET AL) 20 December 1994
 - D3: US-A-4 871 769 (DIAMANTINI GIUSEPPE ET AL) 3 October 1989
 - D4: I. R. HARDCASTLE ET AL.: BIOCHEMICAL PHARMACOLOGY, vol. 57, 1999, pages 801-809, XP002259805
 - D5: MARYADELE J. O'NEIL (ET AL.) (EDS.).: "THE MERCK INDEX" 2001. MERCK & CO., INC, NEW YORK, XP002259806

2. Novelty

2.1 Document D1 discloses (cf. page 1365, table 1, product 1g) a compound falling within the scope of formula I of claims 14 and 17 with R1=H, R2=H, R3=3fluoropropyl and R4=R5=R6=F in an assay for testing the activity versus farnesyl transesterase. With respect to the technical details of the assay, D1 refers to (cf. page 1365, reference [15]) the document D4. Document D4, being part of the disclosure of D1, discloses (cf. page 805, left-hand column) that a solution of the inhibitor compound in DMSO is used in the assays.

The solvent DMSO has to be considered a pharmaceutical acceptable excipient and shows furthermore itself a range of pharmaceutical activities (cf. D5).

Hence, the D1 discloses a pharmaceutical composition falling within the scope of claims 14 and 15 and a product comprising a compound of formula I and an additional drug (DMSO) falling within the scope of claim 17.

The subject-matter of claims 14, 15 and 17 is therefore not novel (Article 33(2) PCT). Dependent claims 16 and 18 can only meet the PCT requirements when

EXAMINATION REPORT - SEPARATE SHEET

related to independent claims complying with Article 33 (1) PCT.

- 2.2 The document D2 discloses (cf. columns 1-2) ethers and esters of 2,4dihydroxy benzoic acid for use in the treatment of psoriasis.
- 2.3 The document D3 discloses 2-trichloroacetoxy-tetrachlorobenzoic acid for use in the treatment of benign neoformations.
- 2.4 The compounds according to claim 1 differ from these known compounds structurally. The compound of D1 is disclaimed in present claim 1.

The subject-matter of independent claim 1 and dependent claims 2-11 is therefore novel (Article 33(2) PCT).

2.5 The document D1 discloses a compound falling within the scope of formula I of claims 12, 13, 19, 21 and 22 as being inactive in an enzyme activity test. No therapeutical application is disclosed. The process of preparation disclosed in D1 uses a bicyclić ester acetal (cf. page 1364, scheme 2) and does not fall within the scope of claim 22.

The subject-matter of claims 12, 13 and 19-22 is therefore novel (Article 33(2) PCT).

3. Inventive Step

3.1 Concerning independent claim 1, document D2 is considered to represent the most relevant state of the art.

The problem to be solved by the present invention may therefore be regarded as provision of alternative compounds suitable for use in the treatment of immune diseases or cancer.

The solution proposed in claim 1 of the present application can be considered as involving an inventive step (Article 33(3) PCT), because there is no teaching in the prior art that would have lead the skilled person to the compounds according to claim 1 and their pharmaceutical activity could not be expected.

Accordingly, claims 12, 13 and 19-22 pertaining to the use and preparation of

these compounds can also be considered as involving an inventive step (Article 33(3) PCT).

3.2 Dependent claims 16 and 18 pertain to obvious selections and do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of inventive step.